

108.5 - Reference Liquids for Evaluating Fuels

SRMs 1815a and 1816a are high purity liquids intended for use in maintaining the integrity of the octane rating of motor and aviation fuels as specified in the ASTM Manual for Rating Motor, Diesel, and Aviation Fuels. The conversion from SRM 2037 Solvent Red Dye 24 to Solvent Red Dye 26 is provided in the SRM 2037 article (pages 3 & 4) of the [June 2005 SRM Spotlight](#).

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	1815a	1816a	2037
Description	n-Heptane (Fuel Rating)	Isooctane (Fuel Rating)	Solvent Red 24 Diesel Fuel Dye
Unit of Issue	(100 mL)	(100 mL)	(100 mg powder)
Purity (mass fraction, in %)	99.987	99.987	98.0